

Acetyl coenzyme A lithium salt

Cat. No. COEC-082

Lot. No. (See product label)

Introduction

Description Acetyl coenzyme A trilithium salt is a lithium salt of an essential cofactor and carrier of acyl groups in enzymatic acetyl transfer reactions. Acetyl coenzyme A is formed either by the oxidative decarboxylation of pyruvate in mitochondria, by the oxidation of long-chain fatty acids, or by the oxidative degradation of certain amino acids. Acetyl coenzyme A is a key precursor in lipid biosynthesis, and the source of all fatty acid carbons. Acetyl-coA is a positive regulator of pyruvate carboxylase and is a precursor of the neurotransmitter acetylcholine.

Applications A cofactor and carrier of acyl groups in enzymatic acetyl transfer reactions

Synonyms Acetyl-S-CoA Li3

Product Information

Appearance Powder

Form Solid

CAS No. 32140-51-5

Molecular Formula C₂₃H₃₅N₇O₁₇P₃S•3Li

Molecular Weight 881

Purity ≥95%

Solubility Soluble in water